

Applicants hereby submit a version with markings to show changes made:

1) (Amended) [A process for delivering a nucleic acid to heart muscle cells in a mammal, comprising:

- a) introducing the nucleic acid to a heart vessel having a channel leading to heart muscle cells wherein there is not more than one heart vessel occlusion site per introduction;
- b) delivering the nucleic acid to the heart muscle cells.]

A process for delivering a nucleic acid to heart muscle cells in a mammal, comprising:

a) injecting the nucleic acid into a heart blood vessel with pressure against blood vessel walls;

b) delivering the nucleic acid out of the blood vessel to the heart muscle cells.

4) (Amended) The process of claim [3] 2 wherein injecting the nucleic acid includes injecting the nucleic acid through a catheter.

18) (Amended) [A process for gene expression providing a therapeutic protein, comprising:

- a) inserting a nucleic acid into a blood vessel having a channel leading to heart muscle;
- b) delivering the nucleic acid to a heart muscle cell; and,
- c) expressing the nucleic acid to provide a therapeutic protein.]

A process for gene expression providing a therapeutic protein, comprising:

- a) injecting a nucleic acid into a heart blood vessel having a channel leading to heart muscle wherein injection pressure is applied to blood vessel walls;
- b) delivering the nucleic acid out of the blood vessel to a heart muscle cell; and,
- c) expressing the nucleic acid to provide a therapeutic protein.

20) (Amended) The process of claim [19] 18 wherein injecting the nucleic acid includes injecting the nucleic acid through a catheter.

A clean version of each replacement claim is submitted below. Please enter each claim.

Sub D1
C1 1) (Amended) A process for delivering a nucleic acid to heart muscle cells in a mammal, comprising:

- a. injecting the nucleic acid into a heart blood vessel with pressure against blood vessel walls;
- b. delivering the nucleic acid out of the blood vessel to the heart muscle cells.

C2 4) (Amended) The process of claim 2 wherein injecting the nucleic acid includes injecting the nucleic acid through a catheter.

Sub P2
C3 18) A process for gene expression providing a therapeutic protein, comprising:

- a. injecting a nucleic acid into a heart blood vessel having a channel leading to heart muscle wherein injection pressure is applied to blood vessel walls;
- b. delivering the nucleic acid out of the blood vessel to a heart muscle cell; and,
- c. expressing the nucleic acid to provide a therapeutic protein.

C4 20) (Amended) The process of claim 18 wherein injecting the nucleic acid includes injecting the nucleic acid through a catheter.